"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIKOVSKIY, V.I., doktor tekhn. nauk.

In reference to B.M. IUabov's article. Elek.sta. 30 no.2:50-51 F '59. (MIRA 12:3)
(Electric generators--Cooling)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

YEPIFANOVA, Vera Ivanovna; POLIKOVSKIY, V.I., doktor tekhn. nauk, retsenzent; STRAKHOVICH, K.I., prof., retsenzent; KONDRYAKOV, I.K., dots., retsenzent; KARGANOV, V.G., inzh., red.; SOKOLOVA, T.F., tekhn. red.; CHERNOVA, Z.I., tekhn. red.

[Low-temperature radial turboexpanders] Nizkotemperaturnye radial'nye turbodetandery. Moskva, Mashgiz, 1961. 399 p. diagrs. (MIRA 15:3)

(Turbomachines)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIKOVSKIY, V.I., doktor tekhn.nauk, prof.; SERGIYEVSKAYA, T.G., kand.tekhn.nauk

Operational features of axial fans in the cooling systems of large electrical machinery. Vest. elektroptom. 32 no.12:26-32 D '61. (MIRA 14:12)

(Electric machinery--Cooling)
(Fans, Electric)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

RYZHOV, Boris Mikhaylovich; POLIKOVSKIY, V.I., doktor tekhn. nauk, retsenzent; PUL'MANOV, N.V., kand.tekhn. nauk, red.; VINOGRADSKAYA, S.I., red.izd-va; ROZHIN, V.P., tekhn. red.

[Airplane piston compressors] Aviatsionnye porshnevye kompressory. Moskva, Oborongiz, 1963. 330 p. (MIRA 16:9)
(Airplanes--Pneumatic equipment)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

S/281/63/000/001/004/004
E194/E155

AUTHORS: Pere l'man, R.G., and Polikovskiy, V.I. (Moscow)

TITLE: A fundamental theory of the disk-type pump

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Energetika i transport, no.1, 1963, 101-112

TEXT: In a disk-type pump the fluid passes radially from the axial inlet between the rotor disks where it is acted upon by frictional and centrifugal forces to the peripheral discharge. Because of rapid advances in pumps with bladed rotors, the disk-type was neglected until a demand arose for pumps of excellent anti-cavitational properties, which a disk pump can have if the rotor disks are secured only at the periphery, leaving the axial inlet clear. The overall efficiency of 50% or less is, however, lower than that of centrifugal pumps, although this also applies to other pumps of comparable anti-cavitational properties. From basic theory, expressions are first derived for the speed of liquid in the gap between disks. An expression for the efficiency is written in the form of the ratio of the energy of the flow on

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discharge from the pump to the total drive power. Separate expressions are derived for such components of the equation as the hydraulic efficiency, the frictional head and others, so that the resulting equation for pump performance is complicated though usable. Analysis of the expressions derived shows that there is an optimum value of fluid friction against the disk which gives maximum pump efficiency. In practice, the best results are obtained if the disk sections fill 0.4-0.5 of the inlet section. The influence of pump design and geometry on performance is then considered and performance curves are constructed for pumps of given designs. A special rig was built in which the spacing between disks could be in the range 5 - 9 mm, the coefficient of friction 0.032 - 0.77, the speed 1000 - 7000 rpm, the discharge diameter 100 - 500 mm, and the height of roughnesses on the disk surface (which influences the Reynolds number in the gap) 0.005 - 0.85 mm. There is good agreement between experimental characteristics obtained on this rig and calculated values, provided that the specific speed is greater than 70 - 80. If it is less, the experimental values of efficiency and head are lower than calculated.

Card 2/2 SUBMITTED: July 6, 1961 There are 12 figures.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

PEREL'MAN, R.G. (Moskva); POLIKOVSKIY, V.I. (Moskva)

Profiling of the blades of an axial preliminary pump with optimun anticavitational qualities. Izv. AN SSSR. Otd. tekh. nauk. Energ. i transp. no.3:357-365 My-Je '63.
(MIRA 16:8)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

PEREL'MAN, R.G., kand.tekhn.nauk; POLIKOVSKIY, V.I., doktor tekhn.nauk

Disk friction pumping machinery as ventilators and blowers. Vod. i san. tekh. no.10:7-8 O '64. (MIRA 18:3)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 55921-65 EWT(1)/EPA(s)-2/EPF(n)-2/EPR/T-2/EPA(bb)-2 Ps-4

ACCESSION NR: AP5012437 UR/0281/65/000/002/0129/0133
621.525:621.631

AUTHOR: Levin, A. A. Polikovskiy, V. I. 29 B

TITLE: Calculation of the pressure characteristics of centrifugal pumps and fans at zero flow rate

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 2, 1965, 129-133

TOPIC TAGS: centrifugal pump pressure, centrifugal fan pressure, zero flow pump operation, optimum pump operation

ABSTRACT: The existing theory of vane devices (pumps, fans, etc.) does not supply the pressures for flow rates which are substantially smaller than those for which the device was designed. Consequently, if one could calculate the pressure for even one such low-flow operating point, this would permit a much more exact estimate of the entire pressure characteristic than in the case at the present time. The case of zero flow rate probably corresponds to the most characteristic point of this kind, and the authors therefore investigated the mechanism of fluid motion at the input of a centrifugal wheel during zero flow. This is followed by an outline of the method for the calculation of the pressure

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L 55921-65

ACCESSION NR: AP5012417

generated by the wheel based on the model of the fluid motion. Calculated results are in good agreement with experimental data published by M. I. Nevel'son (Tsentrobezhnyye ventilyatory (Centrifugal fans), Gosenergoizdat, 1954). The excellent agreement seems to indicate that there is no need for the introduction of an experimentally derived coefficient nor does one have to include any coefficients describing losses (their influence on pressure within the framework of the calculation seems to be negligible). During the operation of fans within casings, additonal factors appear which affect the pressure; however, this issue was not investigated. Orig. art. has: 18 formulas and 3 figures.

ASSOCIATION: None

SUBMITTED: 15Aug64 ENCL: 00 SUB CODE: IE

NO REF SOV: 005 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

LEVIN, A.A., kand. tekhn. nauk; POLIKOVSKIY, V.I., doktor tekhn. nauk, prof.

Calculation of the pressure characteristic of centrifugal pumps and ventilators with zero expenditure. Teploenergetika 12 no.6, 18-20 Je '65. (MIRA 18:9)

1. Moskovskiy aviatsionnyy institut imeni Ordzhonikidze.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 4517-66 EWT(1)/EWI(m)/EPF(c)/T JD/DJ

ACC NR: AP5024140 SOURCE CODE: UR/0096/65/000/010/0071/0074

AUTHOR: Polikovskiy, V. I. (Deceased; Doctor of technical sciences; Professor); Levin, A. A. (Candidate of technical sciences)

ORG: Moscow Aviation Institute (Moskovskiy aviatsionnyy institut)

TITLE: On operation of pumps and blowers at regimes of reduced feed

46
03

SOURCE: Teploenergetika, no. 10, 1965, 71-74

TOPIC TAGS: fluid pump, blower, suction pump

ABSTRACT: It is generally known that the flow of fluid at the pump suction loses its regularity when the feed rate is reduced. A reverse flow develops and penetrates continually deeper into the suction pipe. The flow acquires a clearly defined swirl, especially at the periphery, which increases in intensity as well as in penetration farther from the periphery toward the axis and upward toward the flow. In many cases, such disturbances of the smoothness, nature, and regularity of flow at the suction are noticeable only at low flow rates $Q << Q_{nom}$, where Q_{nom} is the rated (calculated) flow rate, and Q, the actual flow rate. Despite the fact that the described reduced-feed phenomena have been known for quite some time, until now, attempts at calculating the characteristics at $Q < Q_{nom}$ have been made without taking them into account. As a result of this, the authors analyze the process of fluid flow in pumps under reduced-feed regimes. It is noted that extensive experiments will have to be carried out in

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L 4517-66

ACC NR: AP5024140

order to solve this problem and enable a rational approach toward optimizing some of the geometric parameters of rotors, which, until now, have been determined by approximate methods. The following relationship between active flow diameter D, pump rpm n, flow rate Q, and suction pipe diameter D_0 is derived:

$$D = K_1 \sqrt{\frac{Q}{nD_0}}.$$

Here, K is the proportionality coefficient. This relationship applies equally to both compressors and blowers. Orig. art. has: 6 figures and 16 formulas. [AV]

SUB CODE: ME,IE/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 000/ ATD PRESS: 4130

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 21186-66 EPF(n)-2/EWT(1)/EWT(m)/ETC(m)-6/T-2 WW/JD

ACC NR: AP6007307 SOURCE CODE: UR/0096/66/000/003/0049/0053

AUTHOR: Polikovskiy, V. I. (Doctor of technical sciences, Professor, Deceased); Levin, A. A. (Candidate of technical sciences)

ORG: Moscow aviation institute (Moskovskiy aviatsionnyy institut)

TITLE: Investigation of the operation of pumps and blowers at reduced feed regimes

SOURCE: Teploenergetika, no. 3, 1966, 49-53

TOPIC TAGS: pump, blower, gas dynamics, fluid dynamics

ABSTRACT: The paper describes a theoretical and experimental investigation of pumps and blowers at reduced-feed regimes. Two extreme cases were investigated: a) a full vortex regime when the toroidal vortex transmits maximal energy to the incoming flow, and b) a regime without swirl where the suction flow passes through the inside of the vortex, practically without swirling. The two regimes were analyzed and formulas for their calculation derived. The experimental results are presented in the form of figures and graphs. The calculated theoretical results of the investigation were checked by experiments and found to be in good agreement. Orig. art. has: 5 figures and 15 formulas. [AV]

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 4222

Card 1/1 UDC: 621.6.053/001.24

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 25674-66 EWT(d)/EWT(m)/EWP(f)/T WE

ACC NR: AM6013722 Monograph UR/

Polikovskiy, Vladimir Isaakovich; Surnov, Dmitriy Nikolayevich

Power plants of aircraft with air-breathing jet engines; a manual (Silovyye ustanovki letatel'nykh apparatov s vozdushno-reaktivnymi dvigatelyami; uchebnoye posobiye) Moscow, Izd-vo "Mashinostroyeniye", 1965. 260 p. illus., biblio. Errata slip inserted. 5500 copies printed. (At head of title: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR. Moskovskiy ordena Lenina aviatsionnyy institut imeni Sergo Ordzhonikidze)

TOPIC TAGS: jet engine, aircraft propulsion turbojet, aircraft fuel system, inlet diffuson , jet nozzle

PURPOSE AND COVERAGE: This textbook presents data necessary for designing the basic systems of modern power plants for jet aircraft. The book is based on a course offered at Moscow Aviation Institute im. S.Ordzhonikidze for students specializing in engine design. Separate chapters are devoted to the fuel, air intake, exhaust, ventillating, and cooling systems of the engine. The book is intended for students of higher aviation institutes, and may be useful to engineers working in the aviation industry.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 25674-66
ACC NR: AM6013722

Foreword -- 3

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1. General information on basis engine systems -- 13

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SUB CODE: 21/ SUBM DATE: 140ct65/ ORIG REF: 037/ OTH REF: 002

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APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 44279-66 EWT(m)/T WW/DJ

ACC NR: AP6005370 (A) SOURCE CODE: UR/0413/66/000/001/0117/0117

INVENTOR: Perel'man, R. G.; Skubachevskiy, G. S.; Polikovskiy, V. I.; Ivanov, G. A.

ORG: none

TITLE: Hydrostatic bearing. Class 47, No. 177711

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 117

TOPIC TAGS: ~~bearing~~, hydrostatic bearing, bearing stability

ABSTRACT: This Author Certificate introduces a hydrostatic bearing with grooves and a control mechanism for feeding the lubricating fluid to the friction surfaces. For greater reliability and ease of construction the control mechanism is two grooves tapering toward each other whereby the intake groove is more tapered than the outlet groove (see Fig. 1). Orig. art. has: 1 figure.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 44279-66

ACC NR: AP6005370

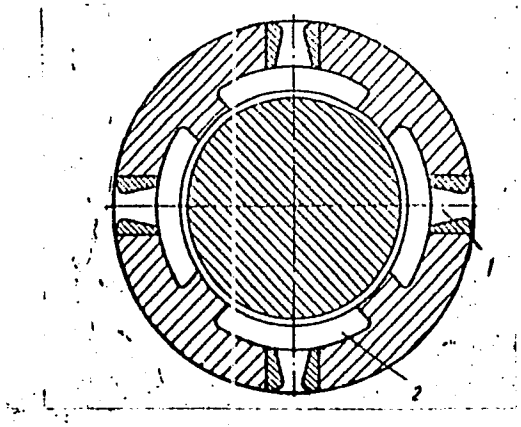

Fig. 1 Hydrostatic bearing.
1— grooves;
2— chambers

[LD]

SUB CODE: 13/ SUBM DATE: 04Apr64

Card 2/2 mjs

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

L 31901-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/T-2/EWP(k) IJP(c) EM
ACC NR: AP6011798 SOURCE CODE: UR/0147/66/000/001/0161/0164

AUTHOR: Polikovskiy, V. I.; Badyagin, A. A.

62
B

ORG: none

TITLE: Magnification factor in the takeoff weight of aircraft

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 1, 1966, 161-164

TOPIC TAGS: dimension analysis, fighter aircraft, supersonic aircraft, turbojet aircraft

ABSTRACT: The authors propose a method for determining the magnification factor in takeoff weight similar to that used for analyzing the weight of engines and power plants. The load G_1 of the aircraft which is made up of equipment, cargo, crew, passengers, etc. is assumed to be constant and independent of the takeoff weight G_0. The problem studied in this paper consists of finding the coefficient χ of increase in the takeoff weight when the load is increased by an amount ΔG_1. This coefficient is equal to $\Delta G_0/\Delta G_1$. The methods of dimensional analysis are used for solving the problem assuming geometrical similarity of the aircraft and $\Delta G_1 \to 0$. Curves are given

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIKOVSKIY, M.V., kand.tekhn.nauk

Transitional conditions and dynamics of the starting of turbine pumps. Teploenergetika 9 no.11:28-31 N '62. (MIRA 15:10)
(Pumping machinery--Testing) (Turbines)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

AP5026333 (1)/EPA(s)-2/EWT(m)/EWP(w)/EPF(c)/EPF(n)-2/EWP(v)/T-2/EWP(k)/ETC(m)
WW/EM/DJ

SOURCE CODE: UR/0286/65/000/017/0118/0118

INVENTOR: Polikovskiy, V. I.; Dumov, V. I.

ORG: none

TITLE: Rotary centrifugal or axial pump. Class 59, No. 174526

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 118

TOPIC TAGS: centrifugal pump, axial pump, rotary pump, rotor blade

ABSTRACT: This Author Certificate describes a rotary pump operating with an anticavitational vorticity. In order to localize the vortex formation in the cavities between the impeller blades and thus increase the efficiency and anticavitation characteristics, an annular nozzle is mounted at the inlet, outlet, or at both the inlet and the

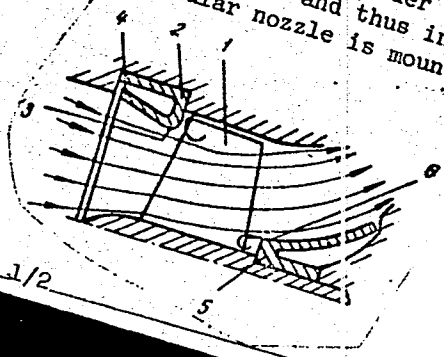

Fig. 1. Pump impeller

1 - Impeller; 2 - nozzle; 3 - protrusion; 4 - contraction area; 5 - nozzle; 6 - protrusion.

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L 4809-66

ACC NR: AP5026833

outlet of the impeller passage to decrease the passage cross section area (see Fig. 1). Orig. art. has: 1 figure. [AV]

SUB CODE: IE, PR/ SUBM DATE: 22Jan62/ ATD PRESS: 4135

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.

Psychotherapy of nocturnal urinary incontinence. Fel'dsher & akush. no.5: 39-40 May 1953. (CIML 25:1)

1. Kursk.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.

Intraarterial injection of methylene blue solution as a therapy of microbal eczema occurring around wounds of the lower extremities. Vest. ven. i derm. no.4:57-58 Jl-Ag '54. (MLRA 7:8)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera.
(METHYLENE BLUE--THERAPEUTIC USE)
(ECZEMA) (LEG--DISEASES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.; VETROVA, A.A.

Brown-tail moth dermatitis. Vest.ven. i derm. no.3:54 My-Je '55. (MLRA 8:10)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera
(BROWN-TAIL MOTH) (SKIN-INFALMMATION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I. (Kursk)

Treating callosities with a salicylic acid-mercuric sulfate paste. (MLRA 9:12)
Fel'd. i akush. 21 no.11:43 N '56.
(CALLOSITIES) (OINTMENTS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.; MEZENTSEVA, G.L.; VETROVA, A.A.

Boric acid solutions for treating seborrhea of the scalp. Vest.ven. i derm. 30 no.4:56 Jl-Ag '56. (MLRA 9:10)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera.
(BORIC ACID)
(SEBACEOUS GLANDS--DISEASES)
(SCALP--DISEASES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I., vrach.

Treating callosities with a salicylic acid-gray mercury ointment. Med. sestra 16 no.2:29 F '57 (MLRA 10:4)

1. Iz oblastnogo kozhno-venerologicheskogo dispansera, Kursk.
(CALLOSITIES) (SALICYLIC ACID--PHYSIOLOGICAL EFFECT)
(MERCURY--THERAPEUTIC USE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I., VETROVA, A.A.

Familial hyperelastic skin. Vest.derm. i ven. 32 no.3:81 My-Je'58

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera.
(SKIN)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.

Intra-arterial administration of methylene blue in the treatment of non-healing leg ulcers. Sov. med. 23 no.3:99-104 Mr '59. (MIRA 12:4)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach - zasluzhennyy vrach RSFSR N.P. Dagayev).
(LEG, ulcer,
ther., methylene blue, intra-arterial admin. in non-healing cases (Rus))
(METHYLENE BLUE, ther. use,
leg ulcer, intra-arterial admin. in non-healing cases (Rus))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.

Therapeutic value of cortisone ointment in dermatological practice. Sov. med. 24 no. 2:139-140 F '60. (MIRA 14:2)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach N.P. Dagayev).
(SKIN—DISEASES) (CORTISONE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.

Occupational dermatitis and eczemas resulting from the use of aminazine and their prevention. Vest.derm. i ven. 34 no.2:77-78 F '60. (MIRA 13:12)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach - zasluzhennyy vrach RSFSR N.P.Dagayev).
(CHLORPROMAZINE toxicol.)
(DERMATITIS VENENATA)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.; ANDREYEVA, N.V.; MIRONOVA, T.M.; VETROVA, A.A.

Treatment of chronic lupus erythematosus with resochin in combination with pathogenic and roborant substances. Sov.med. 25 no.12:100-102 D '61. (MIRA 15:2)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach M.I.Polilov).
(LUPUS ERYTHEMATOSUS) (QUINOLINE)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, N.I.; MEZENTSEVA, G.L.

Occupational nickel dermatitis. Vest.derm.i ven. 35 no.3:54-57 Mr '61. (MIRA 14:4)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach - zasluzhennyy vrach RSFSR N.P. Dugayev).
(SKIN—DISEASES) (NICKEL—TOXICOLOGY)

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ZAKHAROV, A.Ye.; POLILOV, M.I.

Therapeutic value of bicillin-3 in the treatment of acute uncomplicated gonorrhea in males. Vest.derm.i ven. 35 no.4:66 Ap '61. (MIRA 14:5)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach M.I. Polilov).
(GONORRHEA) (PENICILLIN)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.; ANDREYEVA, N.V.

Structure and characteristics of the course of some dermatoses in elderly and senile persons. Vest. derm. i ven. no.2:47-52 '64. (MIRA 17:11)

1. Kurskiy oblastnoy kozhno-venerologicheskiy dispanser (glavnyy vrach M.I. Polilov).

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.

Frequency and characteristics of skin diseases in schizophrenics. Vest. derm. i ven. 38 no.9:34-37 S '64.

(MIRA 18:4)

1. Kurskiy oblastnoy kozhno-venerologicheskiy dispanser (glavnyy vrach M.I.Polilov).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.; ANDREYEVA, N.V.

Structure and dynamics of skin disease incidence in Kursk from 1959 to 1960. Vest.derm. i ven. no.9:62-64'62.
(MIRA 16:7)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavyy vrach M.I.Polilov).
(KURSK--SKIN--DISEASES)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

ANDREYEVA, N. V.; POLILOV, M. I.

Familial lupus erythematosus. Vest. derm. i ven. no.6:72-73 '61. (MIRA 15:4)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach M. I. Polilov)

(LUPUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

KABATOV, YU F., POLILOV, N. A.

Surgical Instruments and Apparatus

Contro ling the cutting quality and durability of surgical knives. Med. prom. No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952. 1953, Uncl.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

137-58-4-7149

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 120 (USSR)

AUTHORS: Zvorono, B. P., Petrova, Ye. N., Polilov, N. A., Vayner, Ye. L., Samsonenko, G. T.

TITLE: Designs of Medical Instruments Suitable for Production by Cold Extrusion (Konstruirovaniye meditsinskikh instrumentov dopuskayushchikh kholodnoye pressovaniye)

PERIODICAL: Materialy po obmenu opytom i nauchn. dostizh. v med. promsti, 1957, Nr 4 (23), pp 90-106

ABSTRACT: The manufacture of medical instruments from blanks in the form of bodies of revolution produced by cold reducing, cross-rolling, or machined by template on a lathe is performed on ordinary presses using open plates, with reduction by 50-60 percent in a single operation in the cold condition under unit pressures of 12-15 t/cm^2, offering the following advantages: replacement of the laborious operations of hand roughing and filing by machine operation, production of a high degree of surface finish without burrs or having no more than a thin flash, saving of metal, employment of universal equipment, use of simple and cheap dies, repair of which may be done on a flat grinder. When high degrees

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137-58-4-7149

Designs of Medical Instruments Suitable for Production by Cold Extrusion

of reduction are required, the pressing is done in a number of passes, with high-temperature annealing performed between passes. Methods of calculating the initial blank and of designing the non-operating elements of the instrument, also examples of typical products manufactured in this manner, are presented.

1. Medical instruments--Production 2. Metals--Extrusion--Applications *Ye. L.*

Card 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

Polilov, N.A.

PETROVA, Ye.N.; POLILOV, N.A.; KOSHELEV, V.I.

New technique for making scalpels. Med.prom. 11 no.8:12-19 Ag '57.
(MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya i Gor'kovskiy mediko-instrumental'nyy zavod imeni V.I.Lenina.
(SURGICAL INSTRUMENTS AND APPARATUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, M.I.

Ten years' experience in the psychotherapy of nocturnal enuresis in children. Sovet. med. 26 no.5:102-105 My '63
(MIRA 17:1)

1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach M.I.Polilov).

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

VAYNER, Ye.L.; POLILOV, N.A.; KOSHELEV, V.I.

New technique in the production of anatomical pincers. Med. prom. 13 no.8:23-31 Ag '59. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya i Gor'kovskiy mediko-instrumental'nyy zavod imeni V.I.Lenina.
(MEDICAL INSTRUMENTS AND APPARATUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

USTINOVA, Ye.N.; POLILOV, N.A.; KOSHELEV, V.I.

Improvement in the technique of scalpel manufacture. Med. prom. 13 no.8:31-37 Ag '59. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya i Gor'kovskiy mediko-instrumental'nyy zavod imeni V.I. Lenina.
(SURGICAL INSTRUMENTS AND APPARATUS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLILOV, N.A.

"Technology of the production of medical insturments and of parts for apparatus" by B.S. Bidus. Reviewed by N.A. Polilov. Med.prom. 14 no.6:61-62 Je '60. (MIRA 13:6)
(MEDICAL INSTRUMENTS AND APPARATUS)
(BIDUS, B.S.)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

KEDROVA-ZIKHMAN, L.U. [Kedrava-Zikhman, L.U.]; POLILOVA, A.M. [Palilava, A.M.]

Preliminary results of an outlook for the selection of hybrid corn in White Russia. Vestsi AN BSSR. Ser. biial. nav. no.3:10-22 '59. (MIRA 12:12)

(White Russia--Corn (Maize)--Varieties))

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

Refractories 7/1773

688 PRODUCTION OF HIGH ALUMINA REFRACTORIES USING TECHNICAL ALUMINA. D. N. Poluboyarinov and R. A. Pobisky (Ogneupory, 12, 243, 1947). For a product containing less than 85% Al_2O_3, the use of technical alumina proves satisfactory with Chassov-Yar clay. When kaolin was used, however, it was found that the sintering temperature was considerably higher than desirable, and it is considered that a kaolin body without any addition of alumina is more satisfactory than a synthetic body with the same or even higher alumina content. The technical method was not considered satisfactory for the production of a body with 85% or higher alumina content, though the sintering point of such bodies can be lowered to a practicable temperature (1,500°–1,550° C.) by the addition of small quantities of fused mineralisers. (6 figs., 5 tables.)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

B1·4 Glass; Ceramics

Rev. abs.

Production of high-alumina refractories using technical alumina. D. N. Poluboyarinov, and R. A. Rudinskiy (Ogneupory, 1947, 12, 343; *Brit. Ceram. Abs.*, 1948, 138).—For a product containing <65% of Al_2O_3, the use of technical Al_2O_3 proves satisfactory with Chasov-Yar clay. When kaolin was used, the sintering temp. was higher than desirable; a kaolin body without addition of Al_2O_3 is considered more satisfactory than a synthetic body with the same or higher Al_2O_3 content. The technical method was not satisfactory for the production of a body with 65% or more of Al_2O_3; the sintering point of such bodies can be lowered to 1500—1580° by addition of small quantities of fused mineralisers.

R. B. CLARKE.

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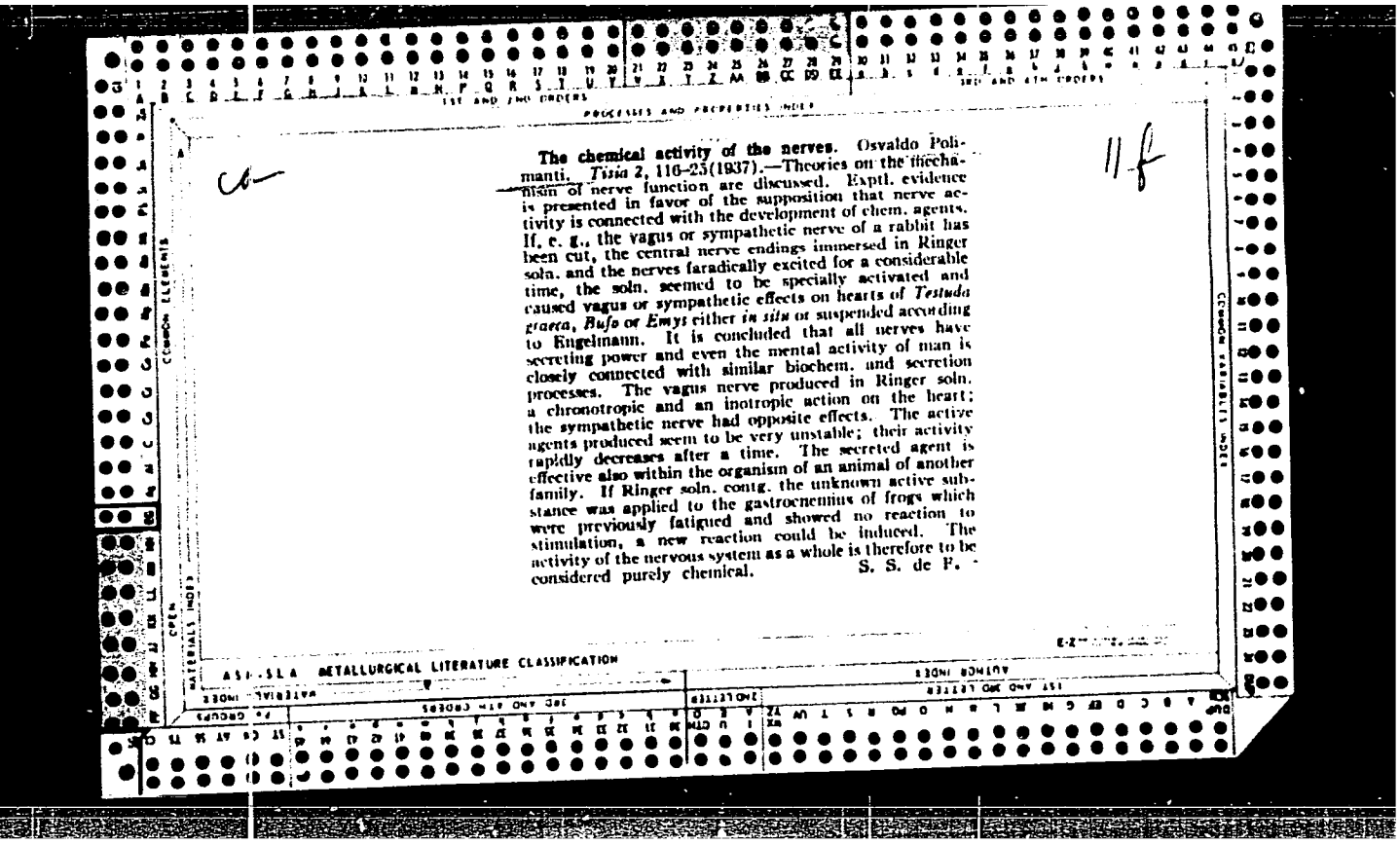
"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIL'SKIY, R. Ya.

"The Process of Manufacturing High Aluminum Content Refractories with Synthetic Mullite as a Base," Ogneupory, No. 2, 1949. Cand. Tech. Sci. -c1949-.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5



The chemical activity of the nerves. Osvaldo Polimanti. *Tisia* 2, 116–25(1937).—Theories on the mechanism of nerve function are discussed. Exptl. evidence is presented in favor of the supposition that nerve activity is connected with the development of chem. agents. If, e. g., the vagus or sympathetic nerve of a rabbit has been cut, the central nerve endings immersed in Ringer soln. and the nerves faradically excited for a considerable time, the soln. seemed to be specially activated and caused vagus or sympathetic effects on hearts of *Testuda graeca*, *Bufo* or *Emys* either *in situ* or suspended according to Engelmann. It is concluded that all nerves have secreting power and even the mental activity of man is closely connected with similar biochem. and secretion processes. The vagus nerve produced in Ringer soln. a chronotropic and an inotropic action on the heart; the sympathetic nerve had opposite effects. The active agents produced seem to be very unstable; their activity rapidly decreases after a time. The secreted agent is effective also within the organism of an animal of another family. If Ringer soln. contg. the unknown active substance was applied to the gastrocnemius of frogs which were previously fatigued and showed no reaction to stimulation, a new reaction could be induced. The activity of the nervous system as a whole is therefore to be considered purely chemical. S. S. de F.

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L 22337-66 EWT(1)/T JK

ACC NR: AP6004991 SOURCE CODE: UR/0031/65/000/010/0013/0018

AUTHOR: Polimbetova, F. A. (Candidate of Biological Sciences) 30 B

ORG: none

TITLE: On the problem of experimental plant physiology investigations

SOURCE: AN KazSSR. Vestnik, no. 10, 1965, 13-18

TOPIC TAGS: biologic research facility, plant physiology, plant ecology

ABSTRACT: In 1957 the first Soviet "artificial climate station" representing a complex of separate laboratories and specially conditioned buildings to simulate different weather conditions was completed in Moscow. This station, the largest in the world, is equipped with a phytotron which makes it possible to simulate a wide range of climates and to control nutrition (minerals, water, and air) of plants, but is extremely costly to operate. Since many areas in the USSR need artificial climate stations to study plant physiology and improve agricultural productivity, less expensive stations without phytotrons are being built. The present article discusses the nature of the plant physiology problems of Kazakhstan to be investigated in the projected station of the Botanical Institute of AN KazSSR. The three basic factors

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L 22337-66

ACC NR: AP6004991 O

to be considered are temperature, humidity, and productivity. Drought resistance, heat resistance, cold resistance, and frost resistance of plants are highly important for the economy of Kazakhstan. Thus, the basic problem of such a station will be establishing interrelationships between plant organisms and external environmental factors and discovery of existing regularities for the purpose of finding new ways of overcoming the harmful action of negative factors and intensifying the influence of positive factors. An artificial climate station will enable plant physiologists to: produce uniform plants, simulate different seasons, increase growth rates, accelerate development, retard natural development, and test reactions of different plant varieties to climate conditions. Orig. art. has: none.

SUB CODE: 06/ SUBM DATE: none.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

MAMON'OV, L.K.; POLIMBETOVA, F.A.

Some characteristics of the flow of plastic substances into the developing wheat ear. Vest. AN Kazakh. SSR 21 no.1:12-20 Ja '65.
(MIRA 18:7)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A., kand. biol. nauk

Experimental studies in plant physiology. Vest. AN Kazakh. SSR 21 no.10:13-18 O '65.

(MIRA 18:12)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOV, S.

The concern of every individual and the group. Okhr.truda i sots.strakh. 6 no.1:4-5 Ja '63. (MIRA 16:1)

1. Predsedatel' Kazakhskogo respublikanskogo soveta professional'nykh soyuzov.

(Kazakhstan--Industrial hygiene)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOV, S.P.

Two years' of work of the State Mine Technical Inspection of Kazakhstan. Bezop.truda v prom. 5 no.1:4-6 Ja '61. (MIRA 14:2)

1. Predsedatel' Gosgortekhnadzora Kazakhskoy SSR.
(Kazakhstan--Mine inspection)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOV, S.P.

Work in Karaganda Basin mines without gas testers. Bezop. truda v prom. 5 no. 2:1-4 F '61. (MIRA 14:2)

1. Predsedatel' Gosgortekhnadzora Kazakhskoy SSR.
(Karaganda Basin--Coal mines and mining--Safety measures)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLUBETOVA, A.

"Effect of the Feeding Conditions on the Productivity of Ramose and Multigrained Wheat." Cand Biol Sci, Inst of Botany, Acad Sci Kazakh SSR, Alma-Ata, 1955. (KL, No 11, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

USSR/Cultivated Plants - Grains. M.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44031

Author : Polikhetova, F.

Inst : Institute of Botany, AS Kazakh SSR

Title : Physiological Peculiarities of Branching and Multi-Grained Wheat Varieties in Connection with Their Productivity.

Orig Pub : Tr. In-ta botan. AN KazSSR, 1957, 5, 243-254

Abstract : A study of the reaction of Kakhetin wheat, and Bes-Bashidai and Erithrospermum 82/2 (control) varieties to the agrotechnical methods was carried out at the experimental base of the Kazakh affiliate of the All-Union Academy of Agricultural Sciences (Alma-Altin region). Different reactions of these varieties to the identical methods of fertilizing and irrigation were recorded.

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.; SUVOROV, B.V.; RAFIKOV, S.R.; KAGARLITSKIY, A.D.; BOGDANOVA, Ye.D.

Some results of research on the synthesis and tests of the growth promoting substance "nikazin". Vest. AN Kazakh. SSR. 20 no.7:3-10 Jl '64. (MIRA 17:11)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.

Grain forming in wheat under the conditions of northern and central Kazakhstan. Izv. AN Kazakh. Ser. biol. nauk no. 3: 98-103 '63. (MIRA 17:9)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.; MAMONOV, L.K.

Influence of individual organs on the development of wheat grain. Trudy Inst. bot. AN Kazakh.SSR 16:51-63 (MIRA 17:8)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.

Prospects for the use of physiologically active substances in the agriculture of Kazakhstan. Izv. AN Kazakh. SSR. Ser. biol. nauk 2 no.3:9-12 My-Je '64. (MIRA 17:10)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.

Physiological differences between soft and durum wheats. Trudy Inst. bot. AN Kazakh. SSR 20:3-17 '64. (MIRA 18:3)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLUMBETOVA, F.A.; BELYAYEVA, L.F.; LUKICHEVA, Ye.I.

Effect of water supply on the oxidizing and reducing activity of spring wheat. Trudy Inst.bot.AN Kazakh.SSR 20:23-35 '62.
(MIRA 18:1)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.; KUDAYBERGENOVA, A.S.

Some problems of the growth, development, and water balance of wheat.
Izv.AN Kaz.Ser.bot.i pochv. no.1:25-39 '62. (MIRA 15:5)
(Dzhezkazgan region--Wheat--Water requirements)
(Hybridization, Vegetable)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

USSR/Cultivated Plants - Grains. H-4

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39198

Author : Dobrunov, L.G., Gladysheva, O.M., Starkova, A.V., Polimbetova, F.A., Taranov, O.N.

Inst : Institute of Botany, Academy of Sciences KazakhSSR

Title : Increase in Drought Resistance and Yield Capacity of Wheats in the New Land Reclamation Zone of Northern Kazakhstan.

Orig Pub : Fiziol. rasteniy, 1957, 4, No 2, 205-208.

Abstract : The increase in wheat drought resistance by using B, granulated Fe and by hardening seeds against drought before sowing (drying the seeds and treating them by calcium chloride) was studied by the Institute of botany of the AN Kazakh SSR. The method which was studied has brought about important changes in physiological processes

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.

Physiological features of spring wheats grown under different soil and climatic conditions. Izv.AN Kazakh.SSR.Ser.bot.i pochv. no.3:89-98 '58. (MIRA 13:5)
(Wheat)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A., kand.biologicheskikh nauk

Physiological characteristics of certain varieties of spring wheat and their growth and development. Vest.AN.Kazakh.SSR 16 no.5: 42-49 My '60. (MIRA 13:7)
(Wheat)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.; GLADYSHEVA, O.M.

Drought resistance of spring wheat in the Virgin Territory. Trudy Inst. bot. AN Kazakh. SSR. 12:3-23 '62. (MIRA 15:5)
(Virgin Territory--Wheat)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMBETOVA, F.A.

Specific features of the ripening of wheat grain in northern and central Kazakhstan. Vest. AN Kazakh. SSR 17 no.12:97-102 D '61. (MIRA 15:3)

(Kazakhstan--Wheat)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

PREZA, B., Docent; POLIMERI, N.

A case of Librium intoxication. Bul.Univ.Shtet.Tirane no.3/4:97-101 '63.

1. Kathedra e Neuro-psihiatrise (Shef i Kadetres Prof. Xh. Gjata), Universitetit Shteteror te Tiranes.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIMARDVINOV, O.S.

In the steppes of Kazakhstan. Put' i put. khoz. 9 no.12:24-27 '65. (MIRA 19:1)

1. Nachal'nik Alma-Atinskoy distantsii puti, Kazakhskoy dorogi.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

YEGOROV, N. S.; POLIN, A. N.

Actinomycetic antagonists in soils of the middle course of the Lena River. Mikrobiologiia 24 no.1:67-72 Ja-F '55. (MLRA 8:4)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova.
(SOILS, bacteriology,
Actinomyces antag.)
(ACTINOMYCES, antagonists,
in soil)

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POLIN, A.N.; BULGAKOVA, V.G.; SILAYEV, A.B.

Rapid turbidimetric method for the quantitative determination of gramicidin C. Antibiotiki 8 no.3:237-241 Mr '63 (MIRA 17:4)

1. Laboratoriya antibiotikov (zav. - dotsent A.B. Silayev) Moskovskogo universiteta imeni Lomonosova.

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YERMOL'YEVA, Z.V., prof., red.; SHLAPOBERSKIY, V.Ya., prof., red.; POLIN, A.N., red.; ZUYEVA, N.K., tekhn.red.

[Practical manual on streptomycin therapy; use of streptomycin in the clinical treatment of various diseases] Prakticheskoe rukovodstvo po streptomitsinoterapii; primenenie streptomitsina v klinike pri razlichnykh zabolevaniiakh. Moskva, Gos.izd-vo med. lit-ry, 1958. 209 p. (MIRA 13:3)

1. Chlen-korrespondent AMN SSSR (for Yermol'yeva).
(STREPTOMYCIN)

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STEPANOV, V.M.; SILAYEV, A.B.; POLIN, A.N.

Production and studies on antibiotic properties of δ-N-peptides of gramicidin C. Antibiotiki 3 no.5:49-53 S-O '58. (MIRA 12:11)

1. Moskovskiy ordena Lenina gosudarstvennyy universitet imeni M.V.Lomonosova.

(ANTIBIOTICS,
gramicidin C, δ-N-peptides (R_{III}))

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COUNTRY : USSR
CATEGORY : Microbiology

ABS. JOUR : Ref Zhur-Biologiya, No.4, 1959, [illegible]

AUTHOR : Zharikova, G.G., Nefelova, M.V., Polin, A.N.
INST. :

TITLE : Distribution of Actinomycetes Antagonists in Soils of Different Geographical Districts.

ORIG. PUB. : Mikrobiologiya, 1958, 27, No. 1, 104-109

ABSTRACT : From the soils of middle zones, south, east, and southeast USSR, China, and Mongolia 1,879 strains of actinomycetes were isolated, from which 1,262 strains (67.16%) had antibiotic activity. A variety of actinomycetes antagonists species was characteristic of soils of the eastern districts. The broadest spectrum of antibiotic action was manifested by actinomycetes isolated from soils of western districts of Turkmenia, Sakhalin, Mongolia, and China. -- A. Ye. Kosmachev

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIN, A.N.

Study of the biological properties of some derivatives of gramicidin S. Antibiotiki 5 no.1:29-33 Ja-F '60. (MIRA 13:7)

1. Laboratoriya antibiotikov Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova (nauchnyy rukovoditel' - deystvitel'nyy chlen AN SSSR V.N. Shaposhnikov).

(GRAMICIDIN)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIN, A.N.

On the effect of gramicidin C and of certain of its derivatives on adapted strains of Staphylococcus aureus. Antibiotiki 5 no. 5:68-72 S-O '60. (MIRA 13:10)

1. Laboratoriya antibiotikov (zav. - dotsent A.B. Silayev) Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.
(STAPHYLOCOCCUS AUREUS) (ANTIBIOTICS)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIN, B.

Shofery-novatory (Drivers and innovators, by) E. Krainskiy i B. Polin. Moskva, MKHI, 1950. 35 p. ports.

SO: N/5
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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIN, B.

KRAINSKIY, E.; POLIN, B.; IOFFE, M.L., redaktor; DUBAKH, N.Ya., retsenzent; GUROVA, O.A., tekhnicheskiy redaktor

[Bus driver innovators] Shofery-novatory. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1950. 35 p. (MLRA 7:9)
(Motorbuses)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

CA

Thermocouple for measuring the temperature in open hearth baths. I. V. Polin. U.S.S.R. 69,962, Dec. 31, 1947. The thermocouple joint is protected by quartz cap. To protect the quartz cap from the corrosive action of the slag, it is coated before insertion into the bath with a substance which upon contact with the hot slag vaporizes instantly leaving a protective gaseous layer on the cap. Wax, paraffin, and the like can be used. The quartz cap slipped over the end of an iron tube holding the thermocouple is tightened to the tube with an asbestos or similar packing so that when it passes through the slag it becomes instantly sealed. M. Hosch

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIN, I. V.

USSR/Metals Apr 1948
Furnaces, Metallurgical
Thermocouples

"Measuring Temperatures of Metals in Steel Furnaces," I. V. Polin, Engr, Cent Sci Res Inst MTM, 5 pp

"Stal'" No 4

Apparatus for indirect determination of the temperature of molten steel (glass-calorimeter) and the light thermocouple for direct measurement are distinguished in simplicity of construction and use, and provide opportunity for greater accuracy in the steel extraction process than do optical pyrometers. After further checking, the glass for continuous determination of molten steel temperature may be useful for foremen and steel workers. Proposed new thermocouple is distinguished by its lightness, portability, and simplicity of construction and application, and by the absence of specific causes for error.

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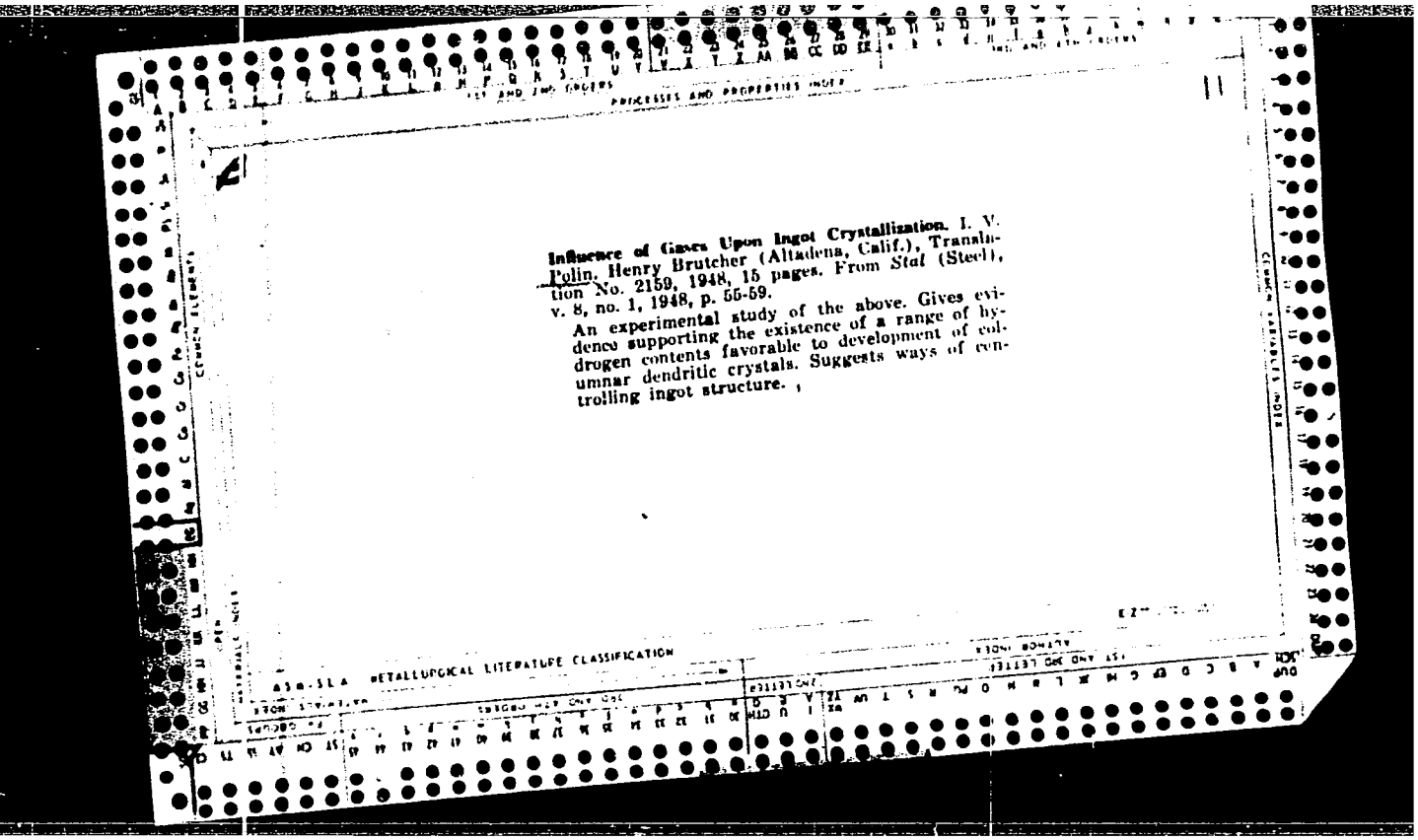

Influence of Gases Upon Ingot Crystallization. I. V. Polin. Henry Brutcher (Altadena, Calif.), Translation No. 2159, 1948, 15 pages. From *Stal* (Steel), v. 8, no. 1, 1948, p. 55-59.

An experimental study of the above. Gives evidence supporting the existence of a range of hydrogen contents favorable to development of columnar dendritic crystals. Suggests ways of controlling ingot structure.

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CA

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Measuring the bath temperature of a steel-melting furnace. I. V. Polin. *Stal* **8**, 321-6(1948).—A new temp.-measuring device is described. The device consists of a brass, Cu, or Fe cup having a capacity of 700 g. of molten steel. To the outside wall of the cup are hard-soldered the wires of a thermocouple. The other ends of the wires are connected to a conductor leading to a galvanometer. The cup is further provided with a long handle. To take a temp. reading, cool the cup to the temp. of the surrounding atm., have it dry, and place on a fireclay brick in a furnace port. Into the cup place 3 g. of Al or 4 g. of 75% FeSi. With a sampler dip 2-3 kg. of metal covered by slag, fill the cup, and after 2-3 min., take the max. galvanometer reading. The solidified steel can be used for chem. analyses. For direct measurements of the bath temp. a new thermocouple is described. M. Hoseh

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIN, I. V.

"The Effect of Gases on the Ingot Crystallization Process and Steel Properties From the book "Heat Treatment and Properties of Cast Steel," edited by N. S. Kreshchanovskiy, Mashgiz, Moscow, 1955.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

Polin, I. V.

137-1958-3-4815

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 51 (USSR)

AUTHORS: Andreyev, I. A., Polin, I. V.

TITLE: Vacuum Casting of Steel (Vakuumnaya razlivka stali)

PERIODICAL: V sb.: Metallovedeniye. Leningrad, Sudpromgiz, 1957, pp 264-286; V sb.: Metallurgiya. Moscow-Leningrad, AN SSSR, 1957, p 46

ABSTRACT: The melt from the ladle was poured through an intermediate fixture into a mold contained in a vacuum chamber. The installation for vacuum casting (VC) of steel is described in detail. Evacuation of the chamber was accomplished by two initial vacuum pumps with a rating of 2200 liter/min. Preliminary experiments under laboratory conditions involved VC of 100 kg ingots of 33KhN3MA steel. The movement of the metal in the mold was studied on a hydraulic model. Under industrial conditions acidic Martin steel of the same type was cast into 10-15 ton ingots without the employment of mold lubricant. The following was observed during the VC process: a) reduction in the N content of steel from 0.0006 - 0.0010 cm^3/g to 0.0003 - 0.0006 cm^3/g; b) reduction in the H content from 1.4 - 4.0 cm^3/g to

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Vacuum Casting of Steel

0.7 - 2.5 cm^3/g; c) the amount of nonmetallic inclusions (N) (primarily silicates and aluminates) was reduced to 0.005 - 0.01 percent; d) improved surface quality; e) finer grain structure; f) reduction of porousness and absence of blisters; g) a diminished transcrystallization zone; h) improved surface quality of ingots and improved mechanical properties of metal, primarily with regard to viscosity and plasticity of the ingots. It is stressed that the removal of gases and the reduction of the N1 of C are more intense under turbulent conditions of mixing of the metal. Since the total amount of the eliminated gases may be as high as 0.6 m^3/t, it is proposed that vacuum pumps of greater capacity be used in conjunction with getters and heat exchangers for removal of moisture. The instant at which atmospheric pressure is established in the chamber must be specified more exactly for every grade of steel. It is pointed out that a rate of 2 t/min is to be regarded as the optimum for the VC process and that it is advisable to employ multi-flow VC. Studies on degasification of steel were carried out in an airtight intermediate 15-18-ton ladle, the evacuation being accomplished through a hollow tap. The pressure in the ladle did not exceed 40 mm Hg. During the pouring of metal into the ladle the drop in

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Vacuum Casting of Steel

temperature amounted to 60°, which caused considerable difficulties in casting. It is established that the H content decreased by 40-60 percent in the process of casting from the intermediate ladle, whereas no changes were observed in NI, the content of O, and N, nor was any improvement observed in the mechanical properties of the metal.

A. V.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

Polin, I.V.

18(0) PHASE I BOOK EXPLOITATION SOV/2301

Metallurgiya: sbornik statey, [no.] 1 (Metallurgy: Collection of Articles, No. 1) [Leningrad] Sudpromgiz, 1958. 177 p. 1,500 copies printed.

Resp. Ed.: G. I. Kapyrin, Candidate of Technical Sciences; Ed.: A. V. Popov; Tech. Ed.: O. I. Kotlyakova.

PURPOSE: This book is intended for engineers and technicians at industrial plants, for scientific personnel at research and educational institutions, and for students of advanced metallurgy.

COVERAGE: The articles in this collection deal with the production and hot forming of steel and titanium ingots. Both theoretical and practical aspects are covered. Topics discussed include: crack formation during thermomechanical treatment, dependence of plasticity of low-carbon chrome-nickel steel on the method of steelmaking, vacuum melting of austenitic stainless steel, beneficial effect of hot deformation on steel properties, vectorial properties of sheet metal as related to rolling conditions, crystallization and ingot structure, present status of titanium-ingot production, etc. Numerous references, principally Soviet, accompany the articles.

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POLIN, I.V., kand.tekhn.nauk; SEREBRIYSKIY, E.I., inzh.

Making stainless austenitic steel in vacuum arc furnaces.
Metallurgiia 1:63-70 '58. (MIRA 12:9)
(Steel, Stainless--Electrometallurgy)
(Vacuum metallurgy)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341810008-5

POLIN, I.V., kand.tekhn.nauk

Development and present state of preparing ingots of titanium and its alloys. Metallurgiia 1:135-152 '58. (MIRA 12:9)
(Titanium--Electrometallurgy)

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POLIN, I.V.

ДЕГАЗАЦИЯ СТАЛИ И СПЛАВОВ

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Т.Я.Агеев В.Г.Чернов	Влияние легирующих на поведение водорода и азота при плавке его в вакууме.
М.В.Попов З.И.Серебряковой	Влияние технологических факторов вакуумной дуговой плавки на снижение содержания газов и неметаллических включений в нержавеющей стали.
Т.М.Воробьева И.П.Бобырев Е. С.Калошкин	Влияние вакуумирования при переплаве на ковше в изложницу на качество стали ЭИ1ГСНА.

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report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow-- 30 Jun 1959.

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PGLM I.V.
P 2,4

PHASE I BOOK EXPLOITATION SOV/3926

Metallurgiya; sbornik statey, No. 2 (Metallurgy; Collection of Articles, No. 2), Leningrad, Sudpromgiz, 1959. 302 p. 2,300 copies printed.

Resp. Ed.: G.I. Kapyrin, Candidate of Technical Sciences; Eds.: V.I. Greznev and N.P. Golubeva; Tech. Ed.: V.I. Troshkin.

PURPOSE: This collection of articles is intended for technical personnel at industrial plants and at research and educational institutions. It may also be used by students taking courses in advanced metallurgy.

COVERAGE: The articles present the following material: original data on the production of steel in open-hearth, electric, and vacuum arc furnaces; information on the rolling of steel sheet of variable thickness along the width; results of an investigation of sheet metal made from large ingots; and problems of messuring the temperature of liquid steel. Some theoretical analysis of production processes is included, and practical recommendations are given concerning specific problems. No personalities are mentioned. Most of the articles are accompanied by references.

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Metallurgy; Collection of Articles, No. 2 SOV/3926

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